MULTIMEDIA UNIVERSITY

STUDENT ID NO

MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 3, 2017/2018

DAC5018 – COMPUTER APPLICATIONS

(For DIA & DBA only)

30 MAY 2018
9.00 a.m. – 11.00 a.m.
(2 Hours)

INSTRUCTIONS TO STUDENT:

1. This question paper consists of **SEVEN (7) pages.**
2. Answer **ALL** questions in **Section A** on the **OMR sheet.**
3. Answer **ALL** questions in **Section B** in the **Answer Booklet.**

Section A: 40 Multiple Choice Questions (40 marks)
*Instruction: Shade your answers on the **OMR sheet**.*

1. Which of the four major functions of a computer is responsible to gathers data, or allows users to enter data?
   A. Input
   B. Output
   C. Storage
   D. Processing

2. Which of the following is the output device?
   A. Keyboard
   B. Monitor
   C. Mouse
   D. Stylus

3. _____ consists of two digits: 0 and 1.
   A. Script language
   B. Binary language
   C. System language
   D. Programming language

4. _____ is a specially designed computer chip that resides in another device, is self-contained, and has its own programming.
   A. Mainframe
   B. Supercomputer
   C. Desktop computer
   D. Embedded computer

5. _____ use laser beams and static electricity to deliver toner onto the correct areas of the page.
   A. Impact printer
   B. Laser printers
   C. Inkjet printers
   D. Thermal printers

6. The hard disk drive is a computer's primary device for permanent storage of software and documents which are _____ storage devices.
   A. volatile
   B. non-volatile
   C. unlimited
   D. non ready to use

7. The primary means of communication over the Internet because it is fast and convenient is **BEST** described _____.
   A. e-mail
   B. netflix
   C. youtube
   D. pinterest

Continued...

8. _____ is a blog that uses video as the primary content
   A. video
   B. video log
   C. personal site
   D. company website

9. A form of digital media composed of a series of audio or video files that are distributed over the Internet is referred as _____.
   A. blogs
   B. podcasts
   C. open source software
   D. really simple syndication

10. All of the following media considered as multimedia **EXCEPT** _____.
   A. Audio
   B. Video
   C. Text
   D. None of the above

11. Ali is conducting his online bookstore so he is considered running a(n) _____.
   A. e-commerce
   B. physical shop
   C. a-commerce
   D. bookstore booth

12. All of the following are types of browser **EXCEPT** _____.
   A. Safari
   B. Firefox
   C. UBS software
   D. Google Chrome

13. _____ is a software used to do tasks at home, school, and work.
   A. System software
   B. Browsers software
   C. Application software
   D. Intelligence software

14. The suitable software to create and edit documents such as research papers, class notes, and resumes is _____.
   A. word processor
   B. graphic processor
   C. database processor
   D. spreadsheet platform

15. All of the following are the tips for designing good presentation **EXCEPT** _____.
   A. be careful with color
   B. use bullets for key points
   C. consider font size and style
   D. maximize the usage of animation and background audio

Continued...

16. Tracking accounts receivable and payable can be done by using _____ software.
    A. accounting
    B. web authoring
    C. desktop publishing
    D. autodesk's AutoCAD

17. Which one of the following is **NOT** the most common audio compression format?
    A. MP3
    B. AAC
    C. WMA
    D. PPTX

18. _____ also known as an End User License Agreement, is an agreement between you, the user, and the software company.
    A. Software license
    B. Computer license
    C. Owner license
    D. User license

19. _____ helps run the computer and coordinates instructions between application software and the computer's hardware devices.
    A. System software
    B. Application software
    C. Multitasking software
    D. Distributing software

20. All of the following are types of user interface **EXCEPT** _____.
    A. command-driven
    B. menu-driven
    C. device-driven
    D. graphical user interface

21. It makes a large file more compact, making it easier and faster to send large attachments by e-mail, upload them to the web, or save them to a disc. This statement is referred to as _____.
    A. windows file
    B. file utilities
    C. file uploader
    D. file compression

22. When the computer is turn on, the BIOS which is stored in the _____ will be activated.
    A. ROM
    B. CPU
    C. RAM
    D. CMOS

Continued...

23. Your hard drive is about 70 percent full and it is getting slower to access files stored in it. Which of the following Windows utility programs you can use to make the access faster?
    A. Task Manager
    B. Backup Utility
    C. Error-checking
    D. Disk Defragmenter

24. Borrowing hard drive space is called _____.
    A. OS memory
    B. CPU memory
    C. virtual memory
    D. permanent memory

25. There are _____ levels of cache memory.
    A. five
    B. four
    C. three
    D. eight

26. The control unit and the arithmetic logic unit is part of the _____.
    A. RAM
    B. ROM
    C. CPU
    D. motherboard

27. The recommended speed for a CPU is 2.5 GHz but the owner of the PC set it at 3 GHz. Setting at a faster speed than the recommended speed is called _____.
    A. fetching
    B. latency
    C. overclocking
    D. hyperthreading

28. DDR3 and DDR5 is an example of _____.
    A. RAM
    B. ROM
    C. CPU
    D. cache

29. A laser burns tiny pits onto a platter and this is how _____ store data.
    A. hard disk
    B. thumb drive
    C. optical discs
    D. flash jump drive

30. _____ provides high-speed information processing by enabling a new set of instructions to start before the previous set is finished.
    A. Fetching
    B. Encoding
    C. Superfetch
    D. Hyperthreading

Continued...

31. The process of updating data is called _____.
    A. wireless
    B. bluetooth
    C. transferring
    D. synchronizing

32. A(n) _____ is a system that converts an analog signal, such as a sound picked up by a microphone or light entering a digital camera, into a digital signal.
    A. digital convergence
    B. digital signal processor
    C. analog-to-digital converter
    D. analog-to-analog converter

33. _____ is a wireless technology standard for exchanging data over short distances from fixed and mobile devices, and building personal area networks.
    A. VoIP
    B. Infrared
    C. Bluetooth
    D. Wireless access protocol

34. The concept of _____ refers to the merging of previously discrete and separately used technologies, as well as the almost 'invisible' integration and use of technologies as a part of our everyday life.
    A. satellite center
    B. digital boundaries
    C. digital convergence
    D. mobile switching center

35. A technology that lets you send short text messages (up to 160 characters) is referred to as _____.
    A. whatsapp
    B. messanger
    C. icon message services
    D. short message services

36. Spread on their own with no human interaction needed. The explanation relates to _____.
    A. worm
    B. spoofing
    C. boot-sector
    D. encryption viruses

37. A _____viruses can change its own code to avoid detection.
    A. stealth
    B. script
    C. trojan horse
    D. polymorphic

Continued...

38. The hackers that illegally break into systems to flaunt their expertise or to attempt to sell their services in repairing security breaches is referred to as _____.
    A. grey-hat hackers
    B. black-hat hackers
    C. white-hat hackers
    D. freelancer

39. A _____ is an application which controls network traffic to and from a computer, permitting or denying communications based on a security policy.
    A. packet sniffer
    B. packet filter
    C. personal firewall
    D. personal antivirus

40. Which one of the following is **TRUE** about the password creation?
    A. Use common word.
    B. Use your car plate number.
    C. Change your password frequently.
    D. Use a dictionary to find a lengthy word that is easy to remember.

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Section B: 4 Structured Questions (60 marks)

*Instruction: Write your answers in the **Answer Booklet**.*

QUESTION 1 [15 marks]

a) Briefly explain **FIVE** types of devices that can be used to enter data into the computer. (10 marks)

b) Define motherboard and list **THREE** components on it. (5 marks)

QUESTION 2 [15 marks]

a) A social networking service has become popular and is using the Web or internet connection to communicate and share information. Give **FIVE** examples of social networking platform that you are familiar with their benefits. (10 marks)

b) List **FIVE** categories of multimedia and entertainment software. State **ONE** example of application software for each category. (5 marks)

QUESTION 3 [15 marks]

a) Name and explain **TWO** commonly use operating systems. (4 marks)

b) List **THREE** features of solid-state drive (SSD). (3 marks)

c) What are the steps performed by the CPU when it executed a program instruction? (8 marks)

QUESTION 4 [15 marks]

a) Explain **THREE** features of Ultrabook. (6 marks)

b) Define biometrics authentication device. Describe **FOUR** applications where we can find the implementation of the device. (9 marks)

[TOTAL 60 MARKS]

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